FIG.1 PRIOR ART

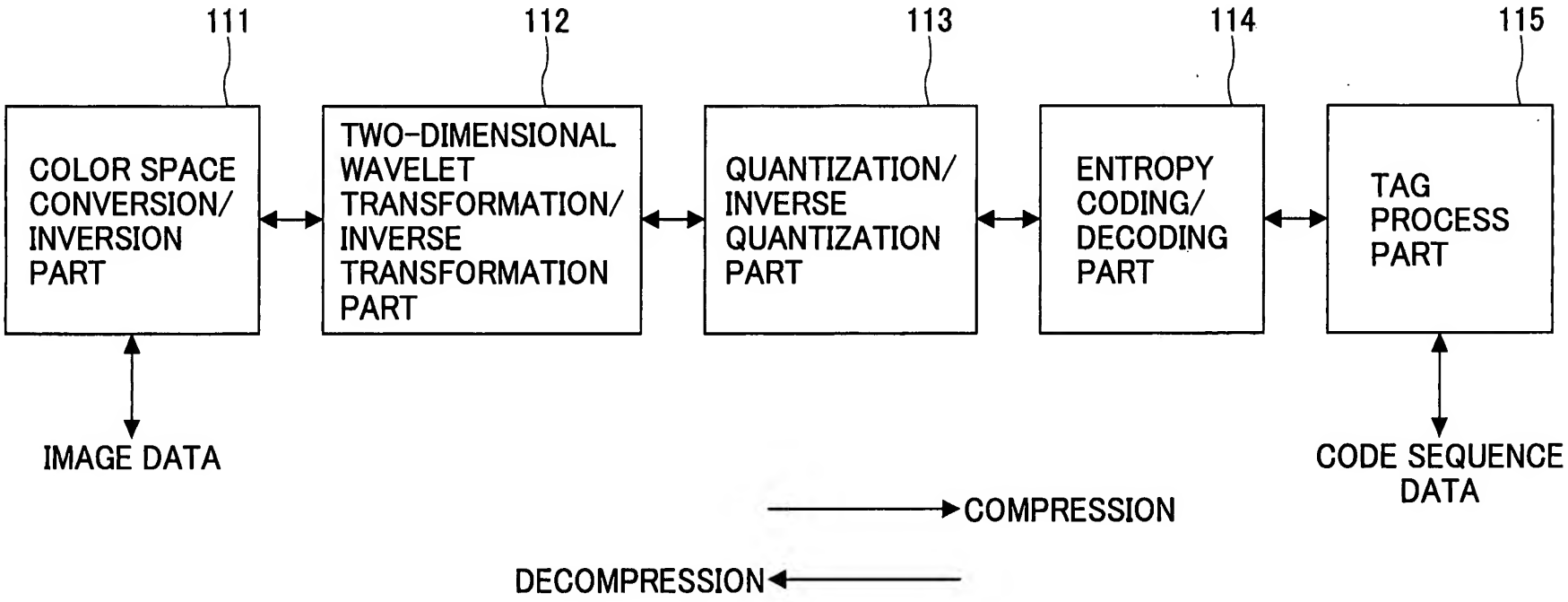


FIG.2 PRIOR ART

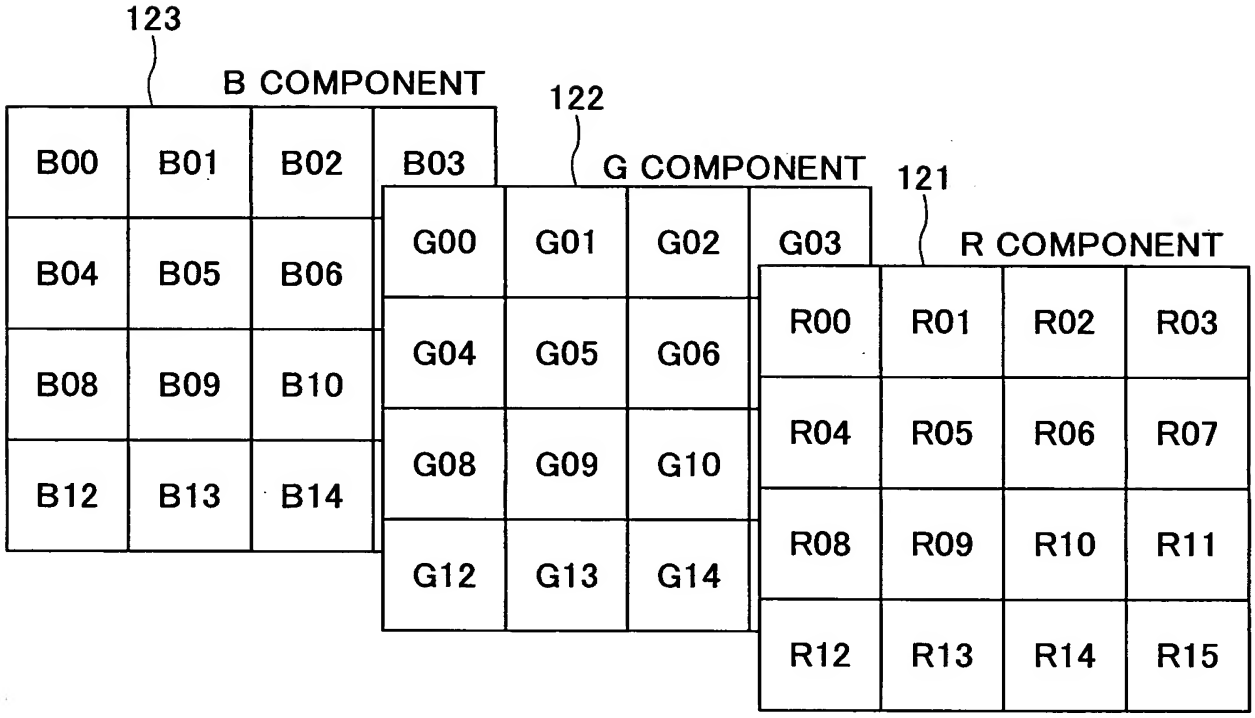


FIG.3 PRIOR ART

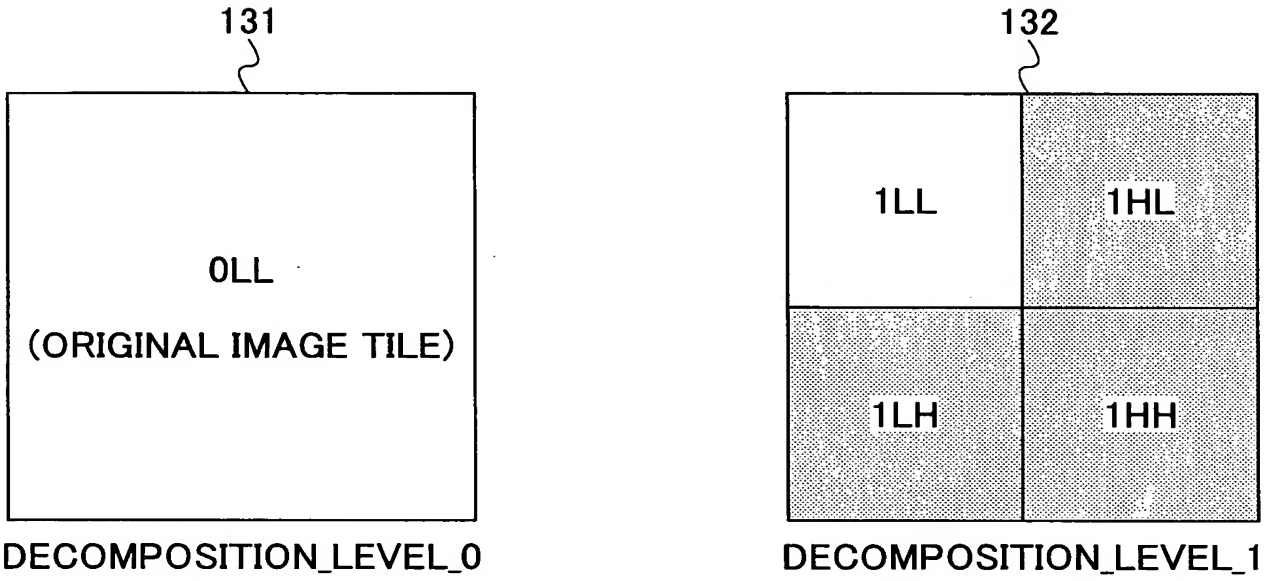


FIG.4 PRIOR ART

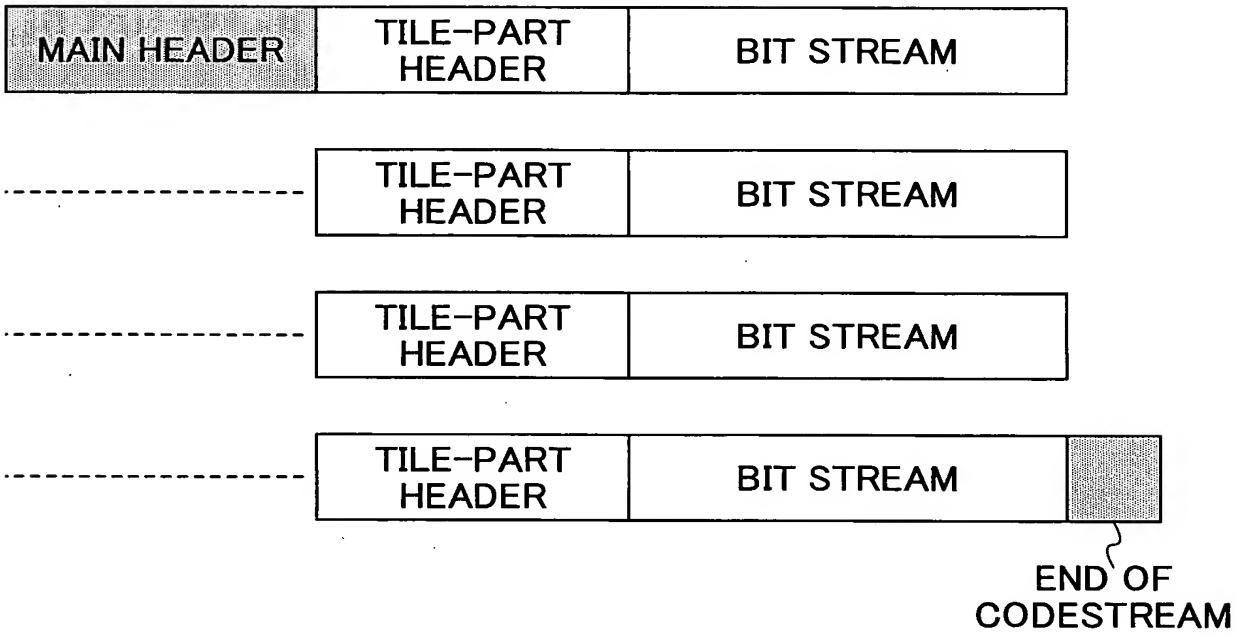


FIG.5 PRIOR ART

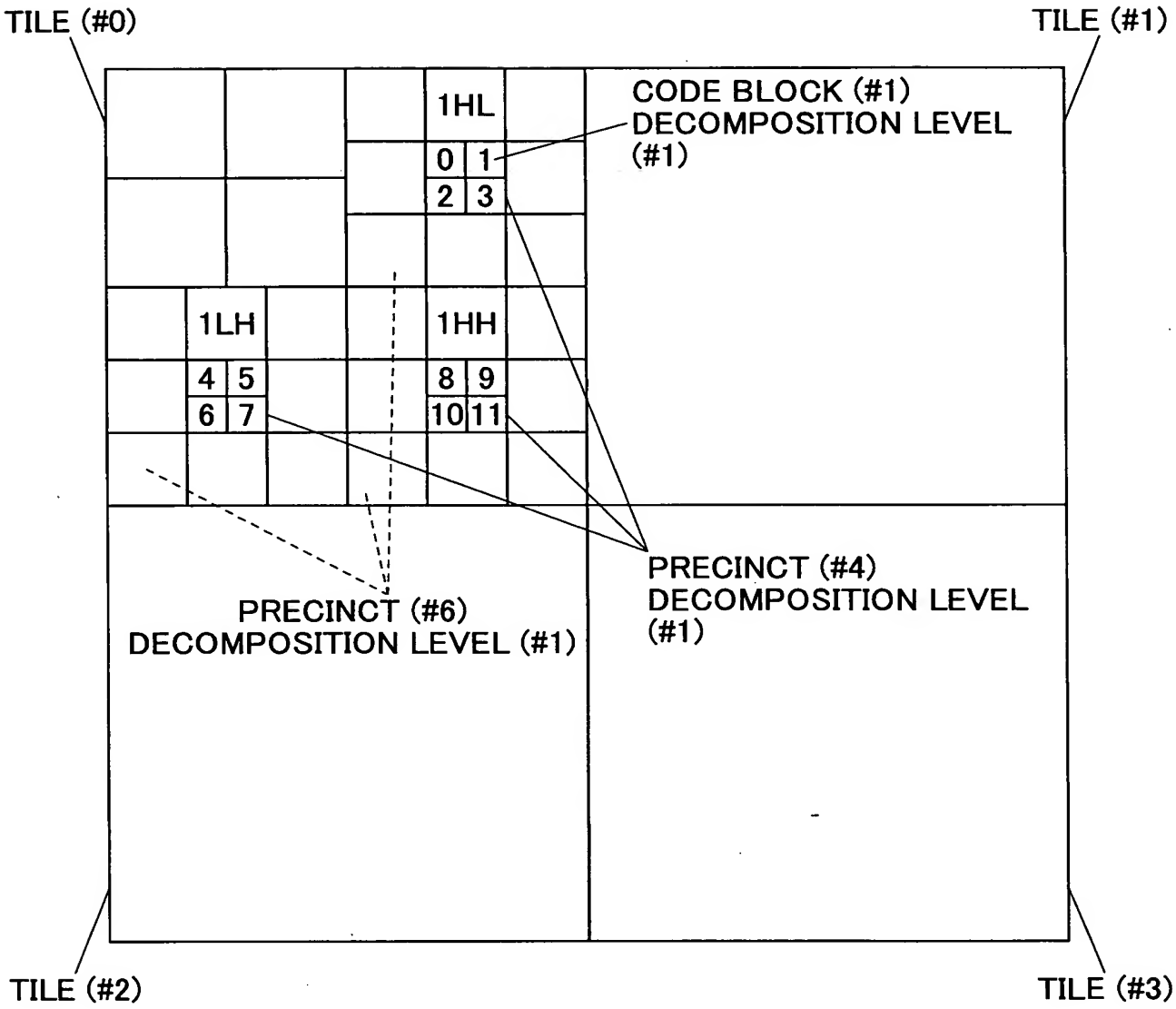


FIG.6 PRIOR ART

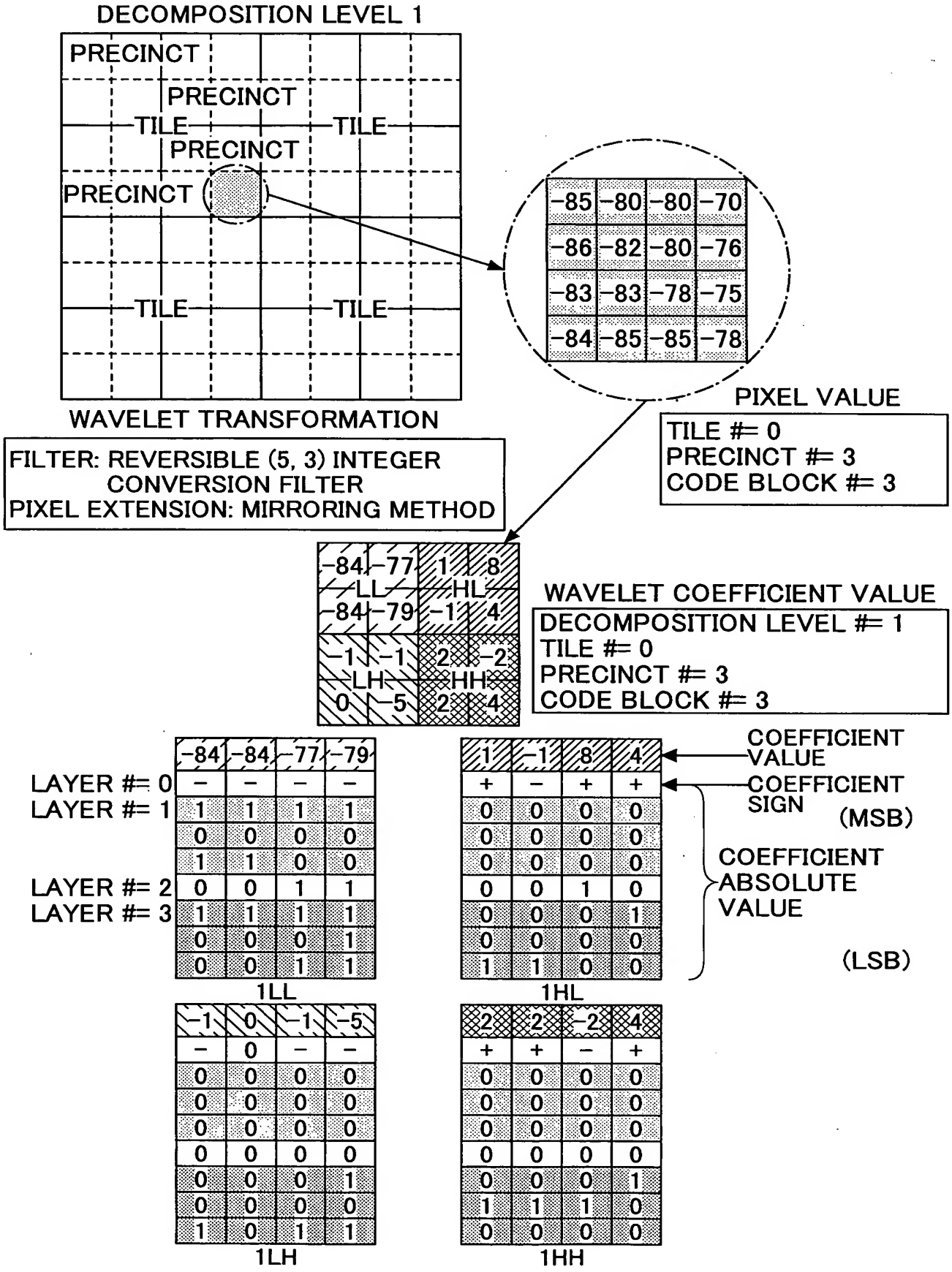


FIG.7

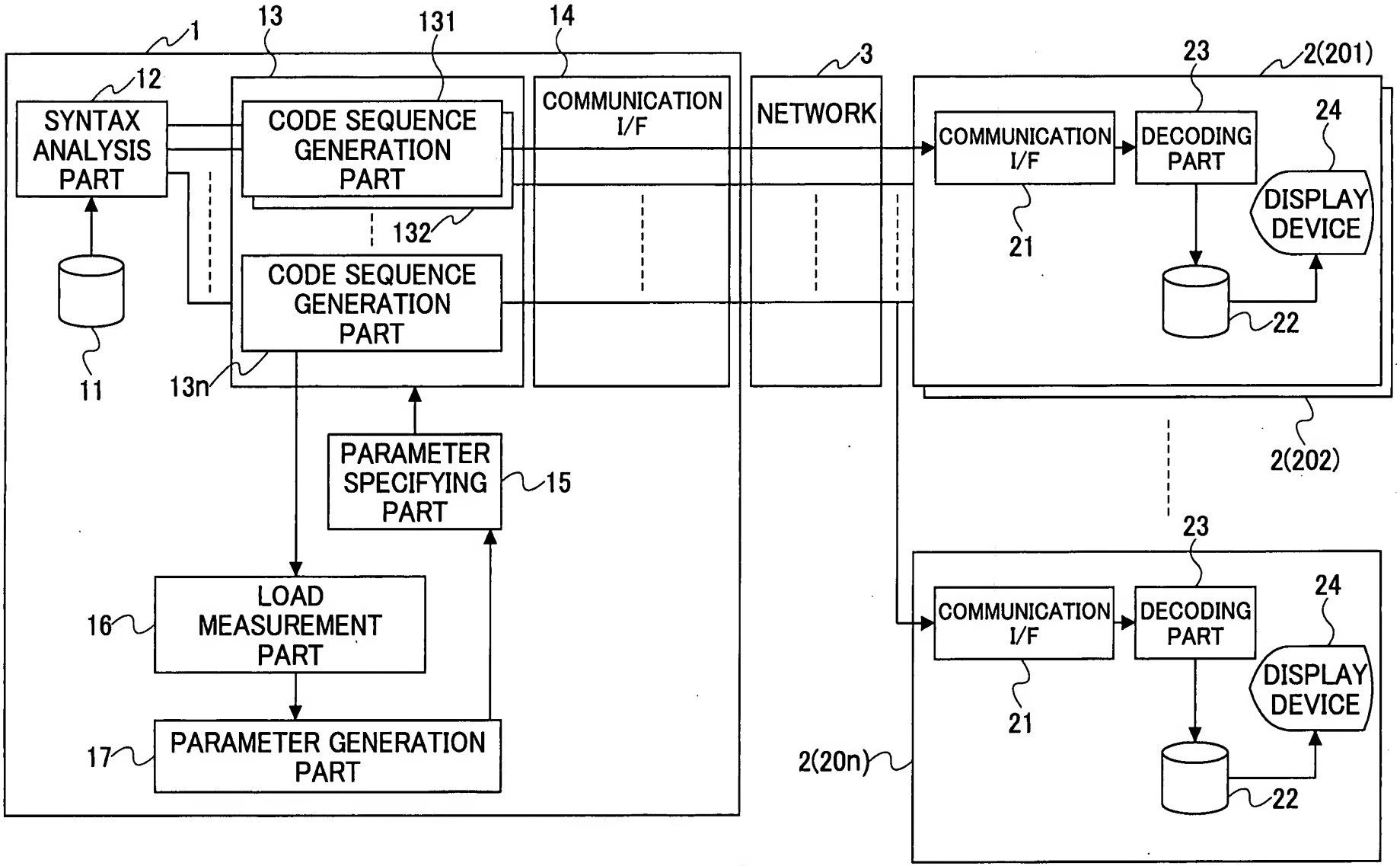

1
13
131
14
3
23
2(201)
12
SYNTAX ANALYSIS PART
CODE SEQUENCE GENERATION PART
COMMUNICATION I/F
NETWORK
COMMUNICATION I/F
DECODING PART
24
DISPLAY DEVICE
132
CODE SEQUENCE GENERATION PART
21
22
11
13n
2(202)
PARAMETER SPECIFYING PART
15
23
LOAD MEASUREMENT PART
16
COMMUNICATION I/F
DECODING PART
24
DISPLAY DEVICE
21
PARAMETER GENERATION PART
17
2(20n)
22

FIG.8A

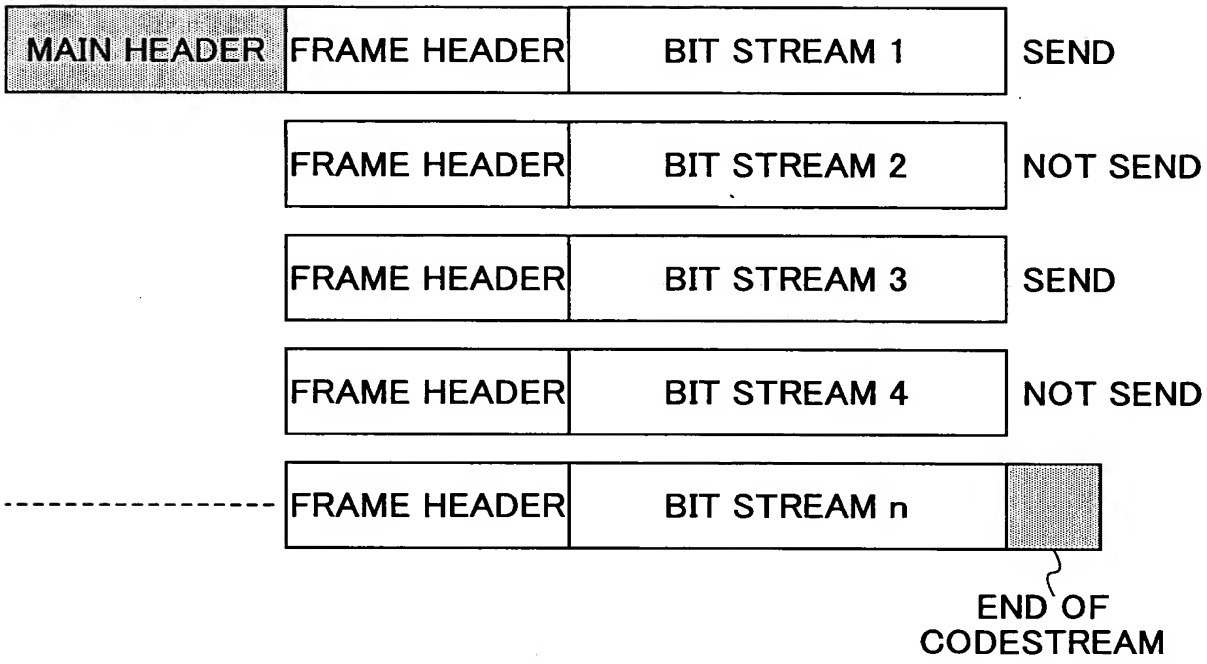

MAIN HEADER
FRAME HEADER
BIT STREAM 1
SEND
FRAME HEADER
BIT STREAM 2
NOT SEND
FRAME HEADER
BIT STREAM 3
SEND
FRAME HEADER
BIT STREAM 4
NOT SEND
FRAME HEADER
BIT STREAM n
END OF CODESTREAM

FIG.8B

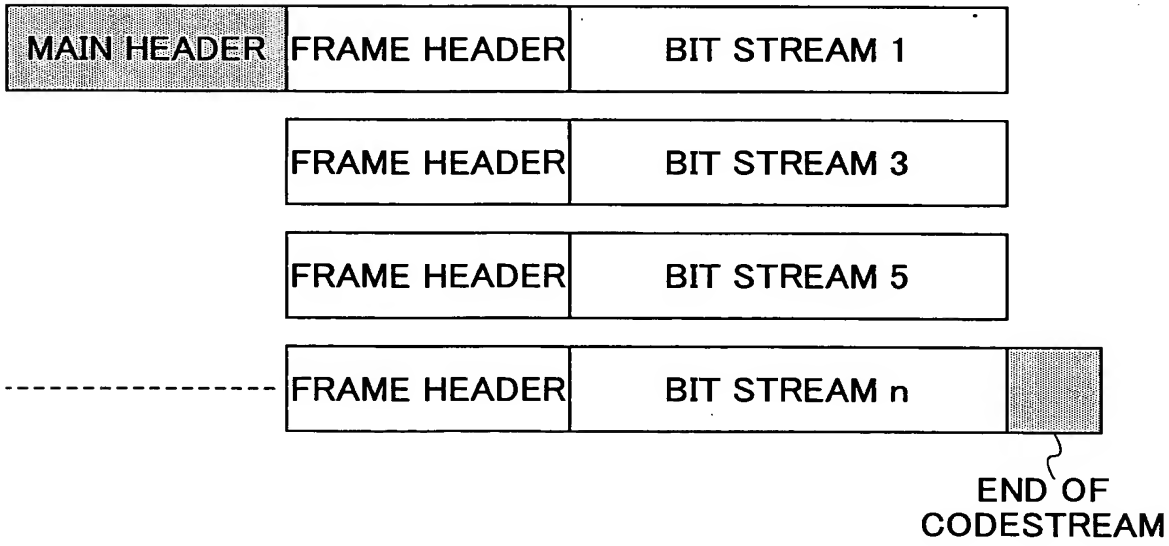

MAIN HEADER
FRAME HEADER
BIT STREAM 1
FRAME HEADER
BIT STREAM 3
FRAME HEADER
BIT STREAM 5
FRAME HEADER
BIT STREAM n
END OF CODESTREAM

FIG.9A

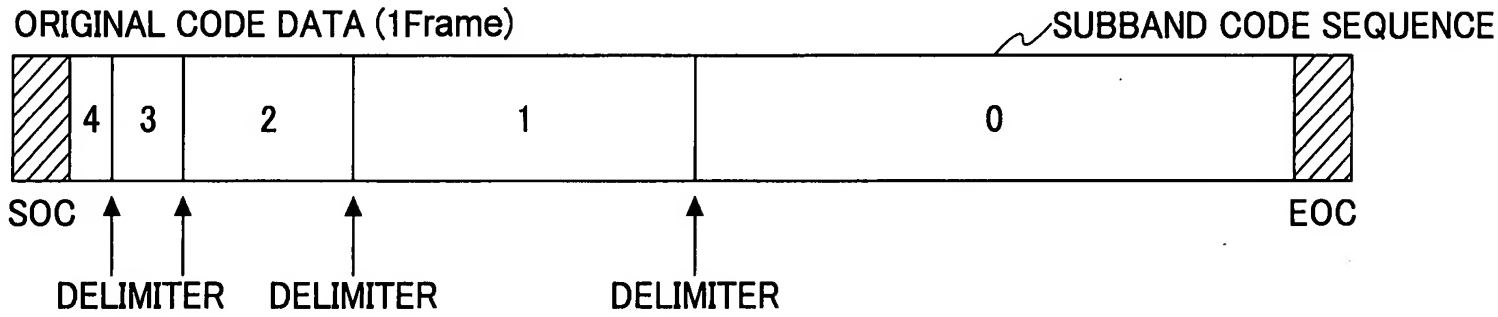

ORIGINAL CODE DATA (1Frame)
SUBBAND CODE SEQUENCE
4
3
2
1
0
SOC
EOC
DELIMITER
DELIMITER
DELIMITER

FIG.9B

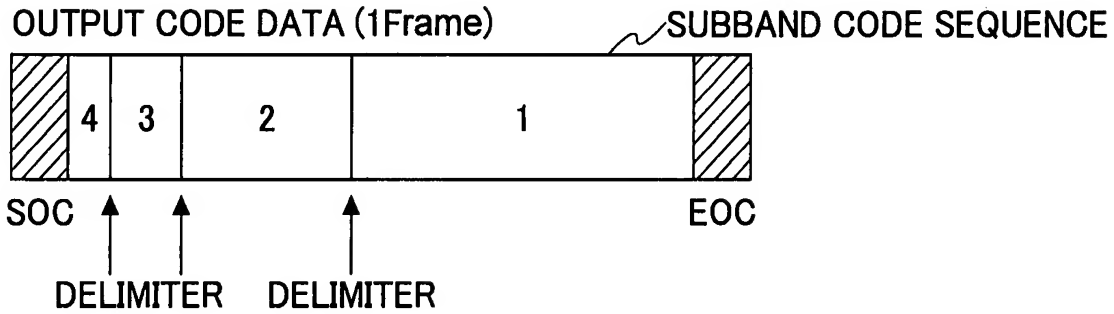

OUTPUT CODE DATA (1Frame)
SUBBAND CODE SEQUENCE
4
3
2
1
SOC
EOC
DELIMITER
DELIMITER

FIG.10A

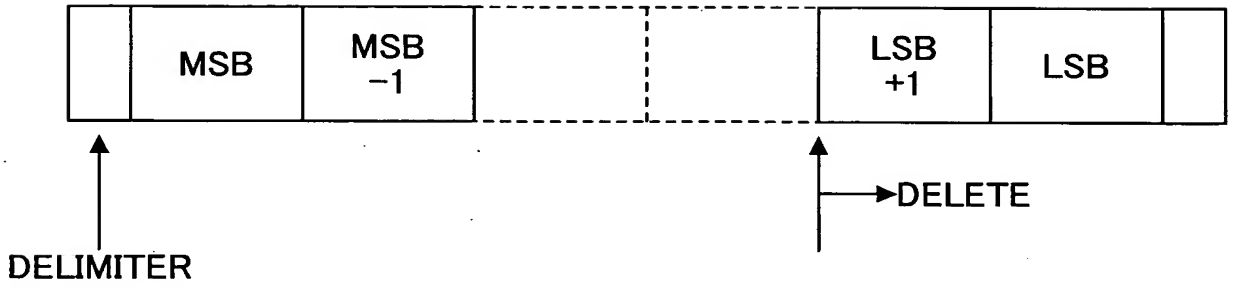


FIG.10B

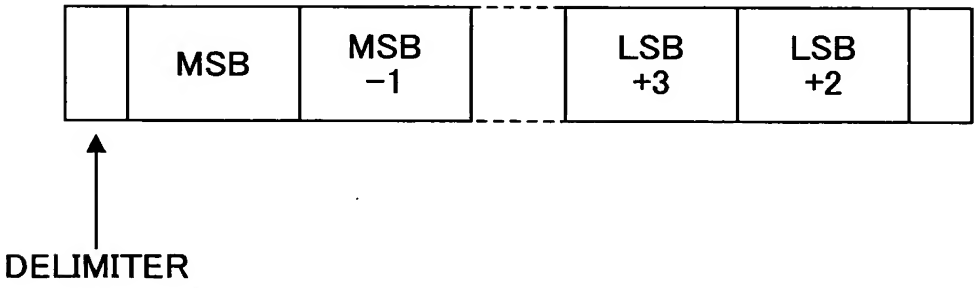


FIG.11

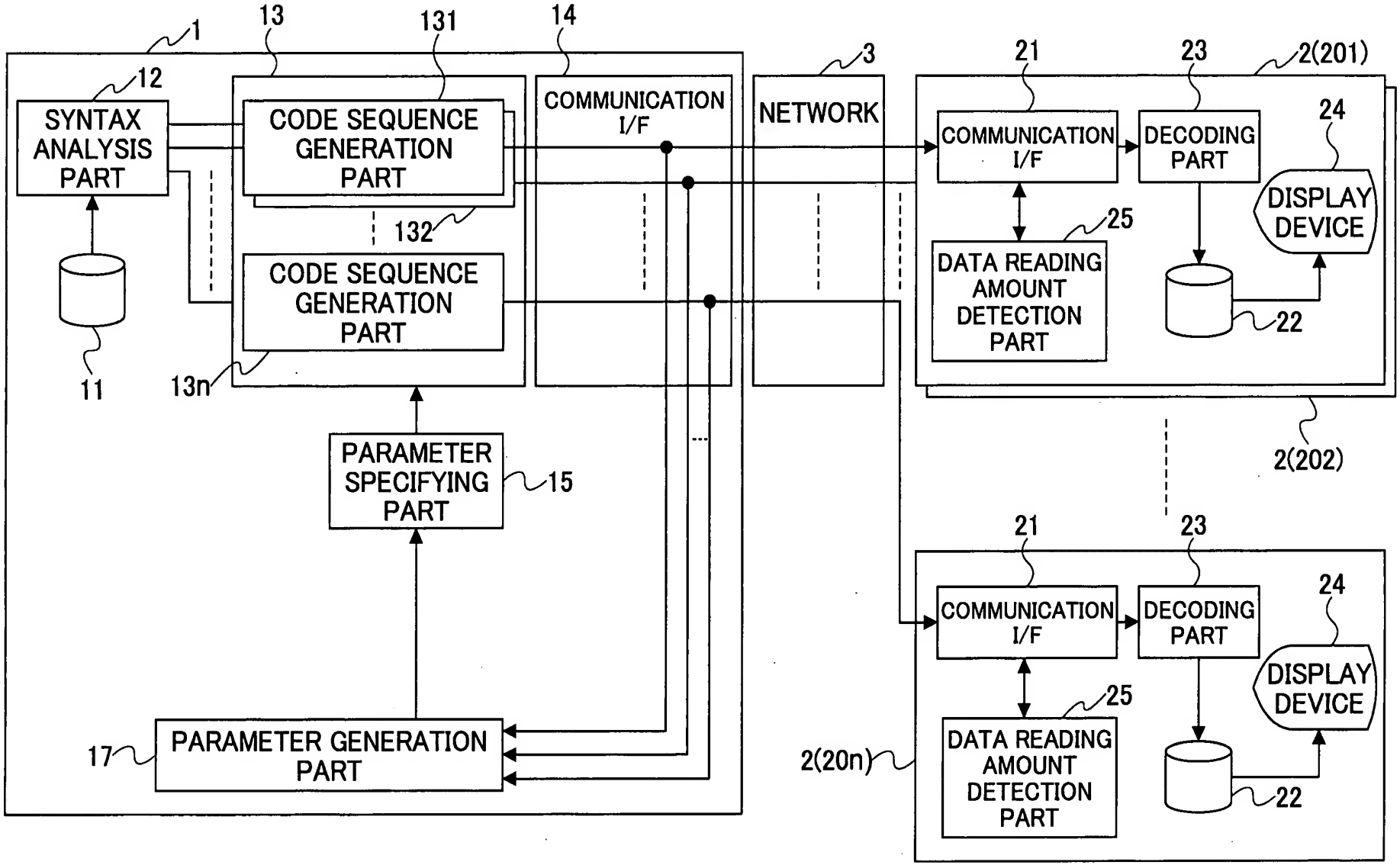

1
13
131
14
3
21
23
2(201)
12
SYNTAX ANALYSIS PART
CODE SEQUENCE GENERATION PART
COMMUNICATION I/F
NETWORK
COMMUNICATION I/F
DECODING PART
24
DISPLAY DEVICE
132
25
DATA READING AMOUNT DETECTION PART
CODE SEQUENCE GENERATION PART
22
11
13n
2(202)
PARAMETER SPECIFYING PART
15
21
23
COMMUNICATION I/F
DECODING PART
24
DISPLAY DEVICE
25
17
PARAMETER GENERATION PART
2(20n)
DATA READING AMOUNT DETECTION PART
22

FIG.12

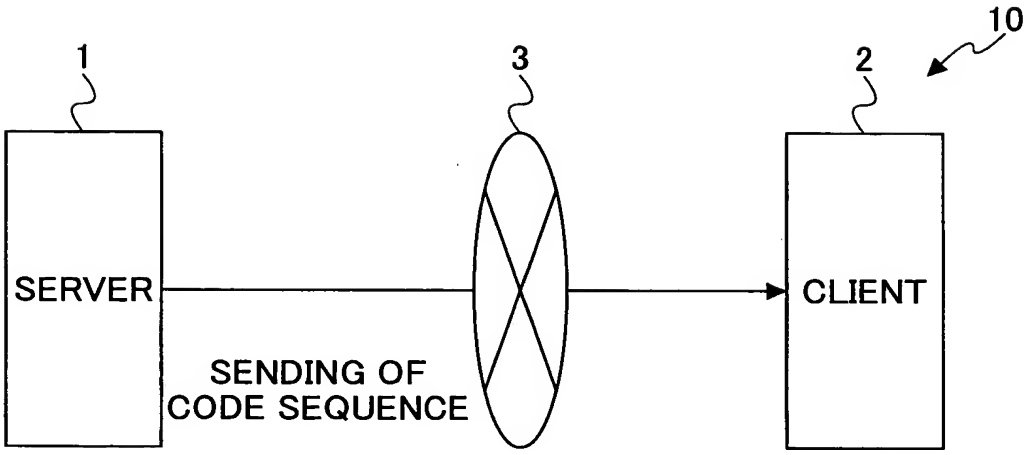


FIG.13

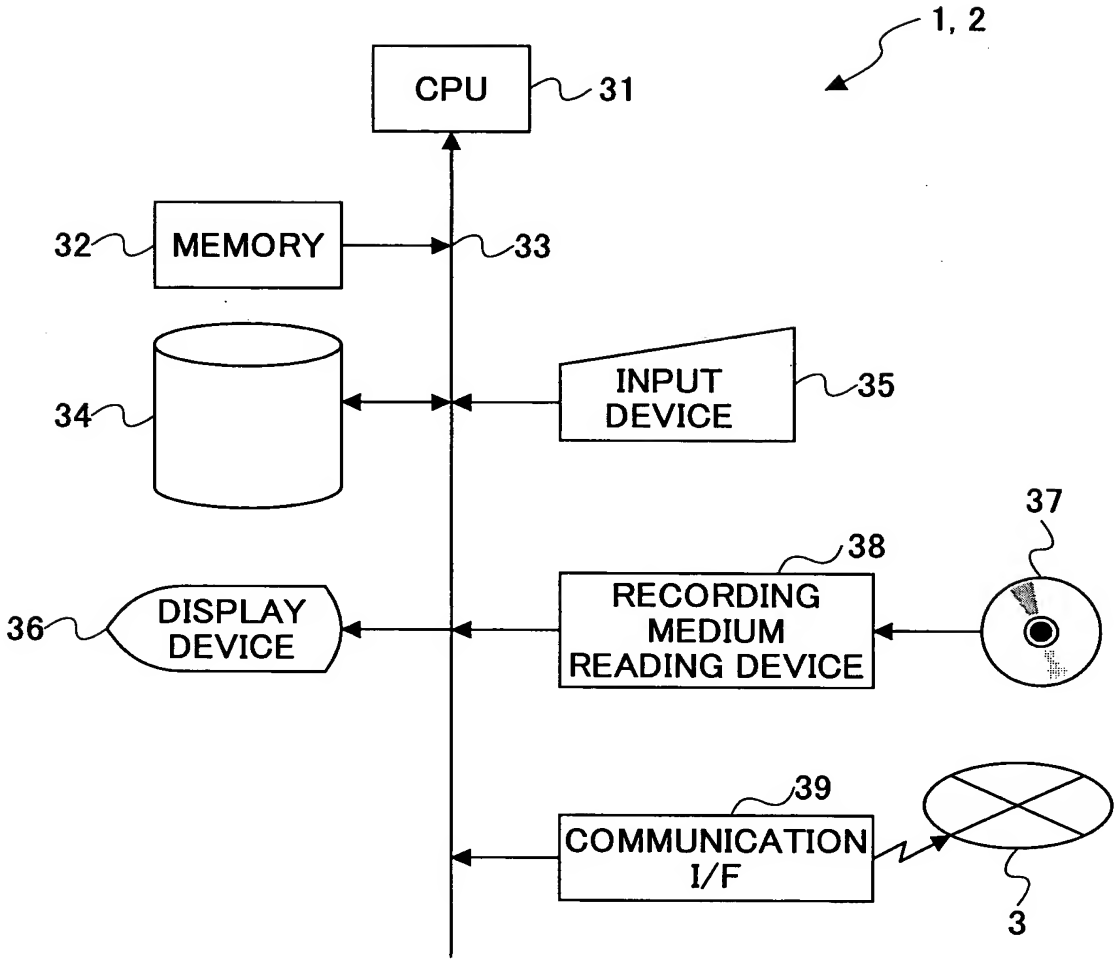

1, 2
CPU
31
32
MEMORY
33
34
INPUT DEVICE
35
37
38
36
DISPLAY DEVICE
RECORDING MEDIUM READING DEVICE
39
COMMUNICATION I/F
3

FIG.14

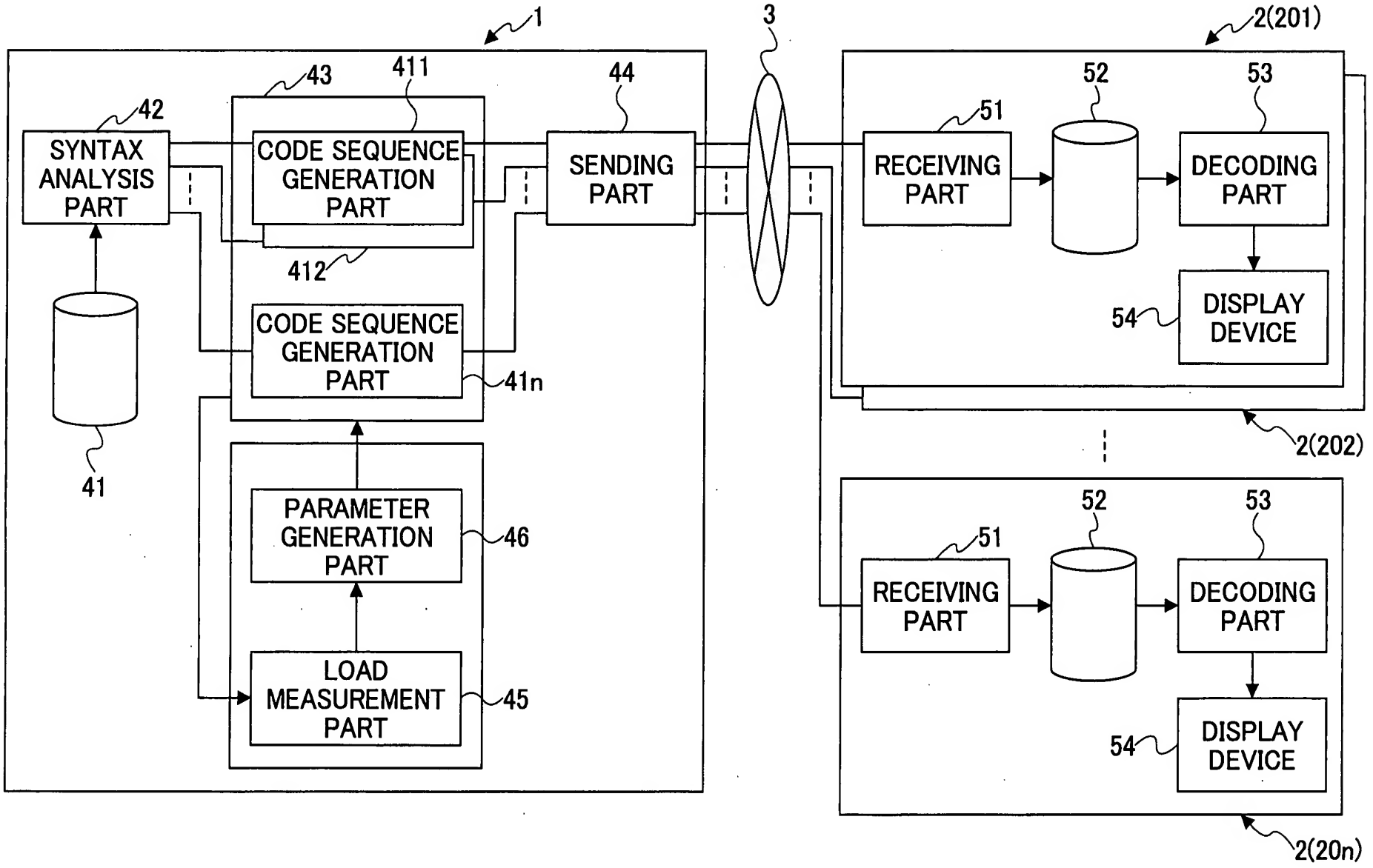

1
3
2(201)
43
411
44
42
52
53
51
SYNTAX ANALYSIS PART
CODE SEQUENCE GENERATION PART
SENDING PART
RECEIVING PART
DECODING PART
412
CODE SEQUENCE GENERATION PART
41n
54
DISPLAY DEVICE
41
2(202)
PARAMETER GENERATION PART
46
LOAD MEASUREMENT PART
45
2(20n)

FIG.15

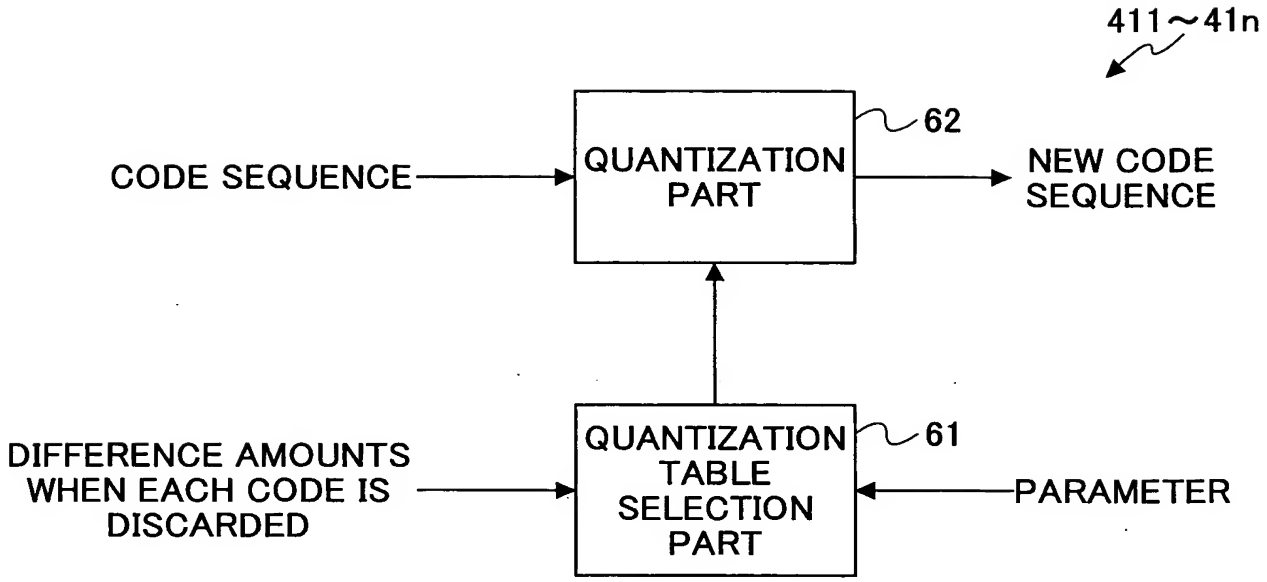


FIG.16

COEFFICIENT	1bit	2bit	3bit	4bit
1HH	0.1	0.2	0.3	0.4
1LH	0.4	0.5	0.6	0.7
1HL	0.4	0.5	0.6	0.7
2HH	0.4	0.5	0.6	0.7
2LH	0.8	1.0	1.2	1.4

FIG.17

WAVELET TRANSFORM COEFFICIENT	NUMBER OF QUANTIZATION BITS
1HH	5
1LH	3
1HL	3
2HH	3
2LH	2
2HL	2
3HH	2
3LH	1
3HL	1
3LL	0

FIG.18

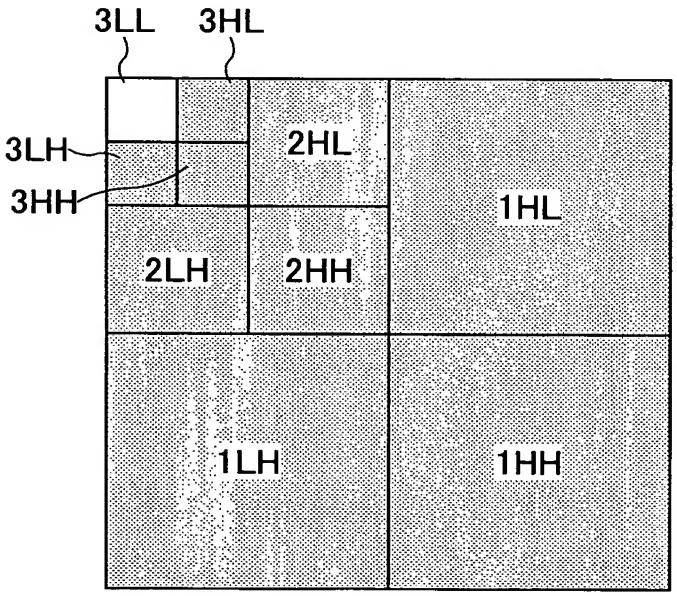


FIG.19

INDEX	QUANTIZATION TABLE
1	0, 0, 0, 0 ····· 0
2	1, 0, 0, 0 ····· 0
3	1, 1, 0, 0 ····· 0
4	1, 1, 1, 0 ····· 0
5	2, 1, 1, 0 ····· 0
⋮	
X	5, 3, 3, 3, 2, 2, 2, 1, 1, 0
⋮	
Y	8, 8, 8 ·····

FIG.20

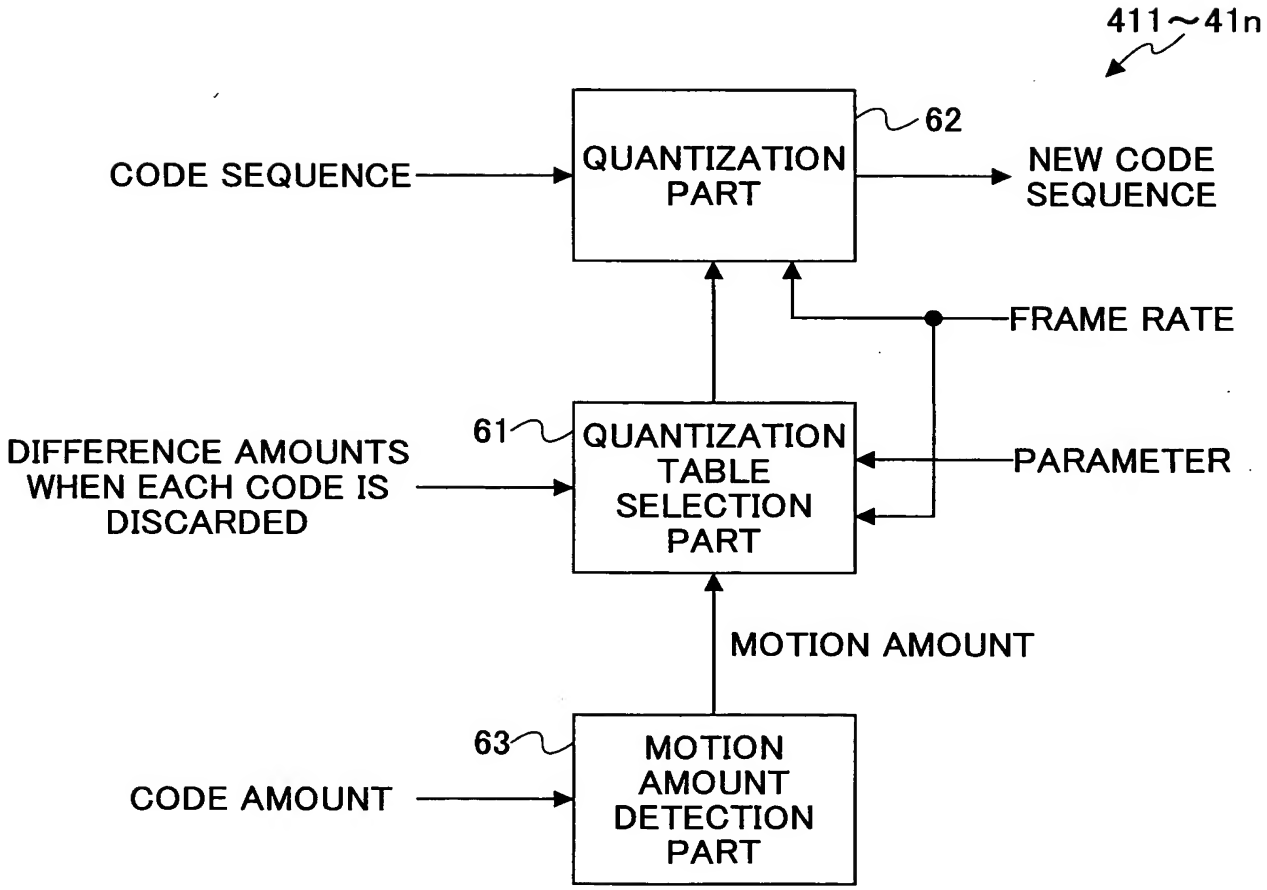


FIG.21A

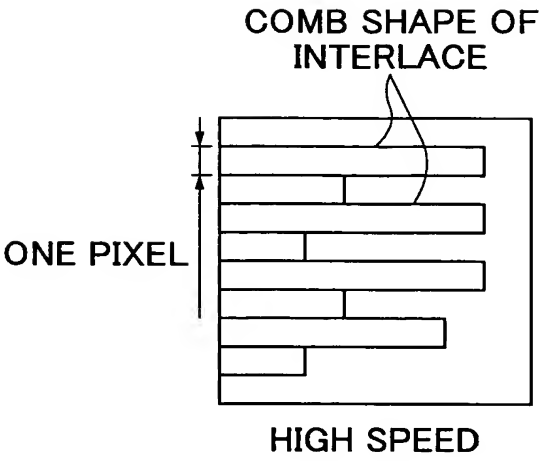


FIG.21B

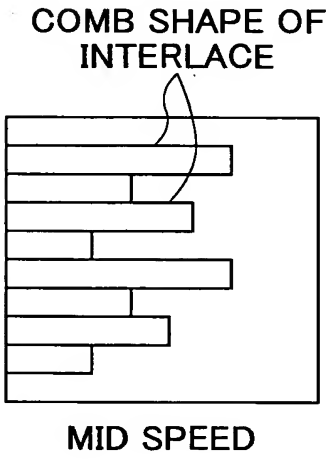


FIG.21C

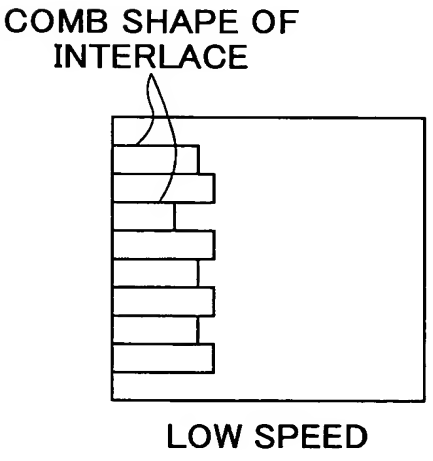


FIG.22

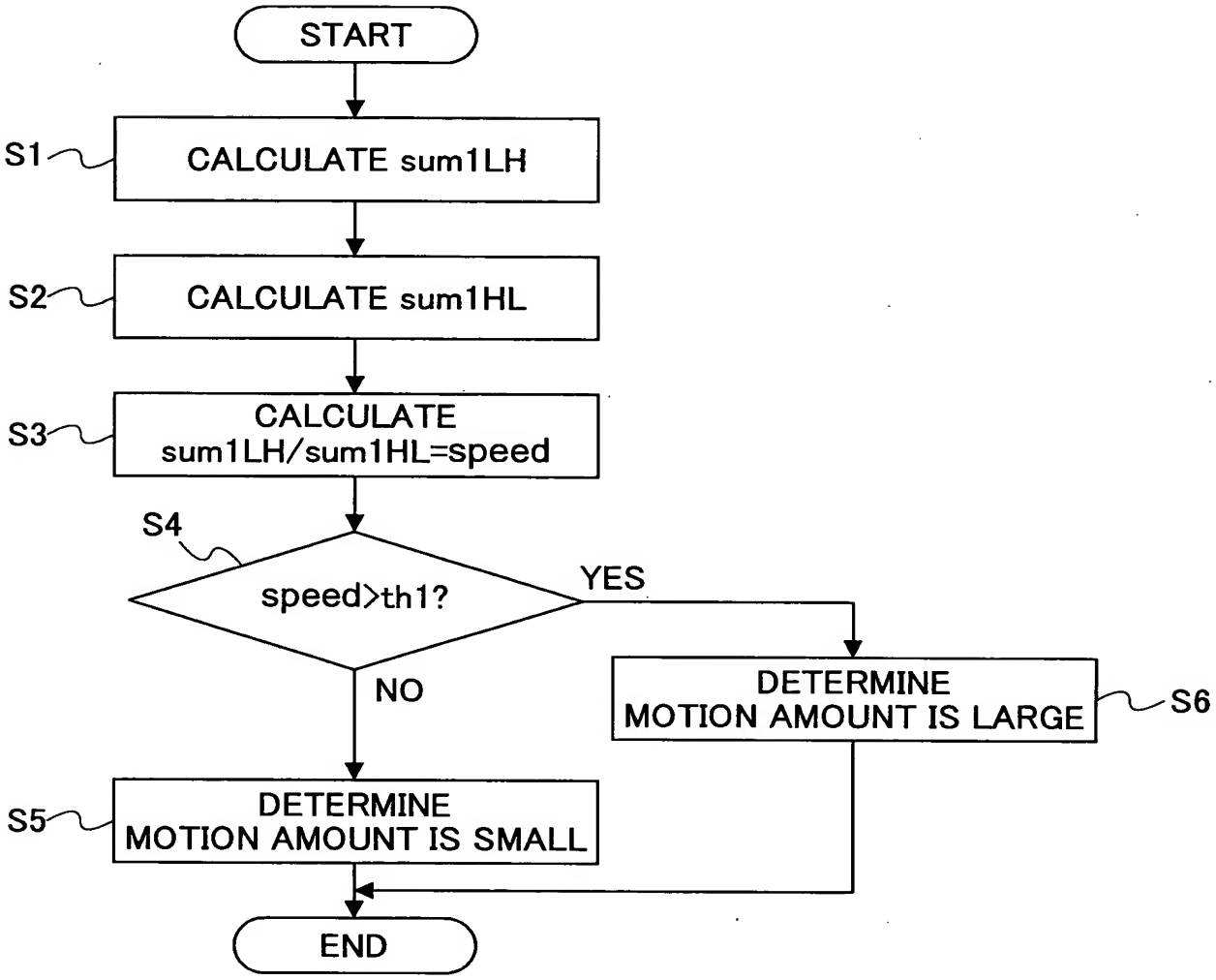

START
S1
CALCULATE sum1LH
S2
CALCULATE sum1HL
S3
CALCULATE
sum1LH/sum1HL=speed
S4
speed>th1?
YES
NO
DETERMINE
MOTION AMOUNT IS LARGE
S6
S5
DETERMINE
MOTION AMOUNT IS SMALL
END

FIG.23

	HIGH SPEED	LOW SPEED
HIGH FRAME RATE	KEEP COMB SHAPE (KEEP 1LH MORE THAN 1HL)	DO NOT KEEP COMB SHAPE (KEEP 1LH AND 1HL SIMILARLY)
LOW FRAME RATE	DO NOT KEEP COMB SHAPE (KEEP 1LH AND 1HL SIMILARLY)	DO NOT KEEP COMB SHAPE (KEEP 1LH AND 1HL SIMILARLY)

FIG.24

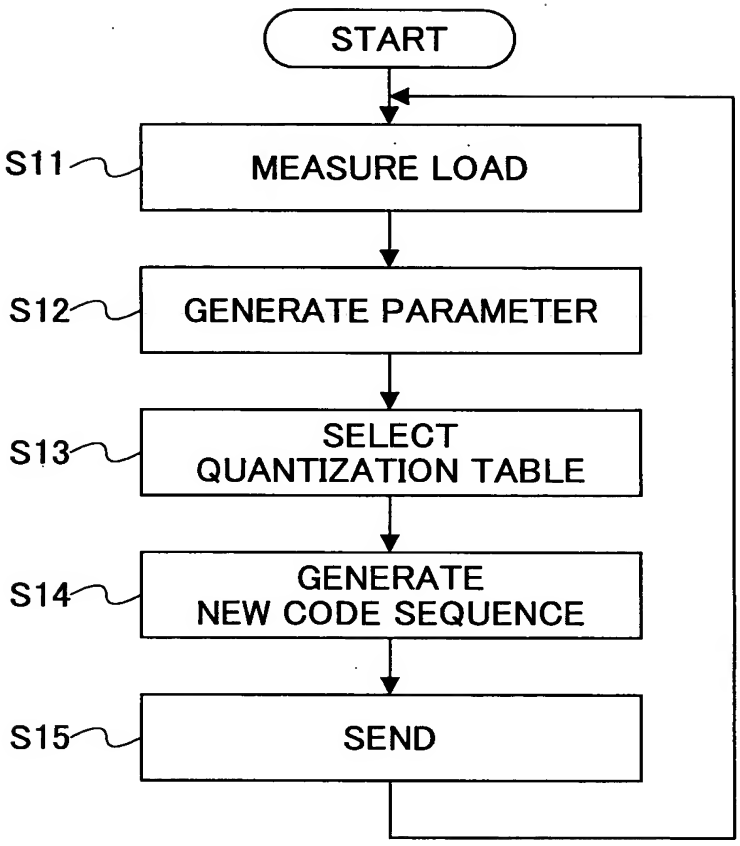

START
S11
MEASURE LOAD
S12
GENERATE PARAMETER
S13
SELECT
QUANTIZATION TABLE
S14
GENERATE
NEW CODE SEQUENCE
S15
SEND

FIG.25

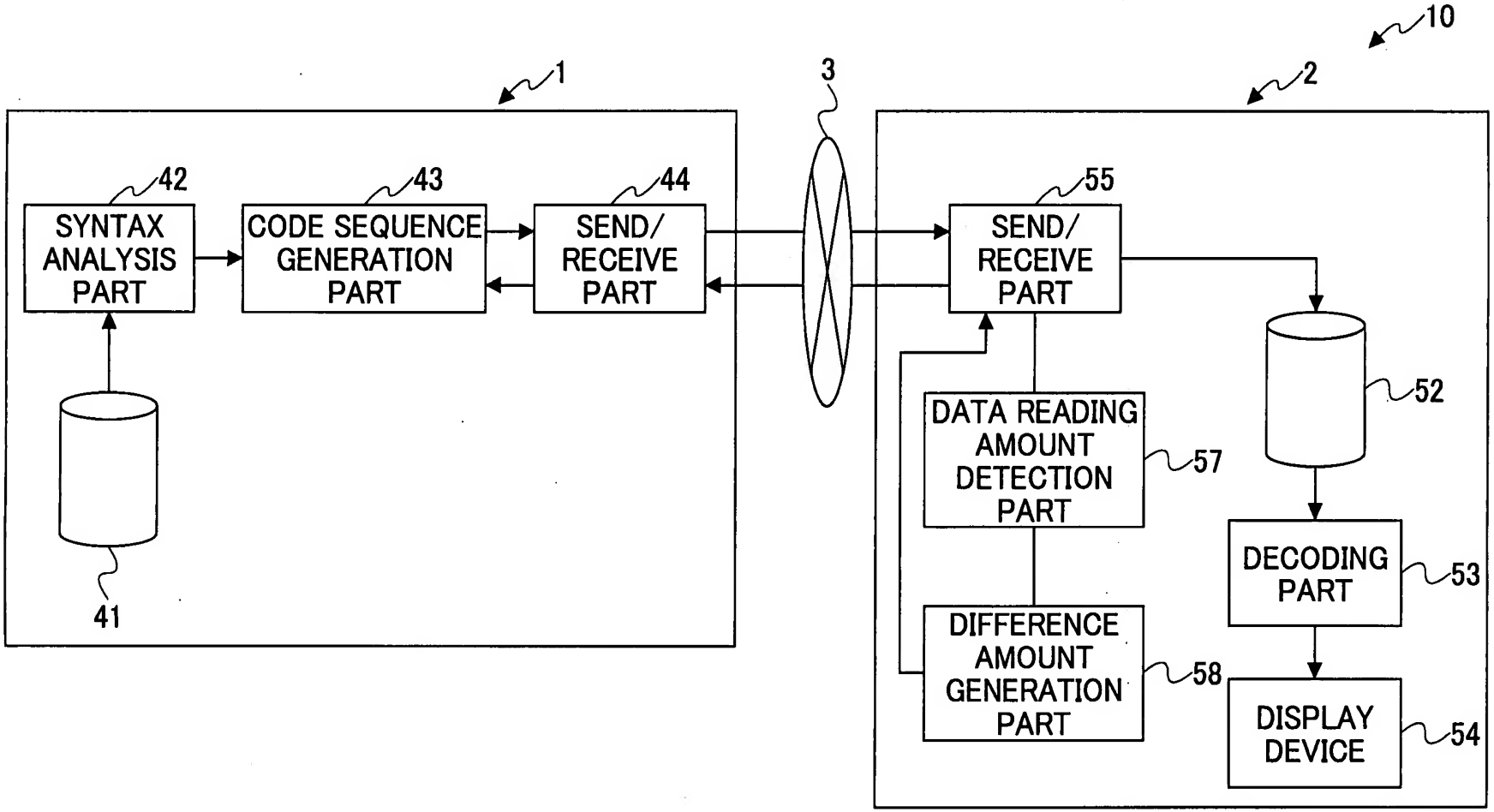

10
1
3
2
42
43
44
55
SYNTAX ANALYSIS PART
CODE SEQUENCE GENERATION PART
SEND/ RECEIVE PART
SEND/ RECEIVE PART
41
DATA READING AMOUNT DETECTION PART
57
52
DECODING PART
53
DIFFERENCE AMOUNT GENERATION PART
58
DISPLAY DEVICE
54

FIG.26

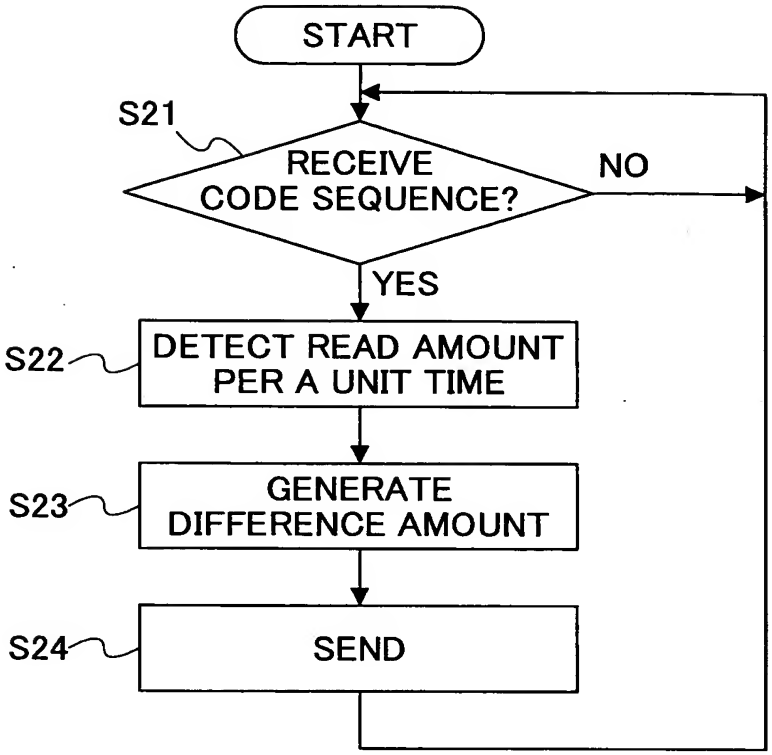
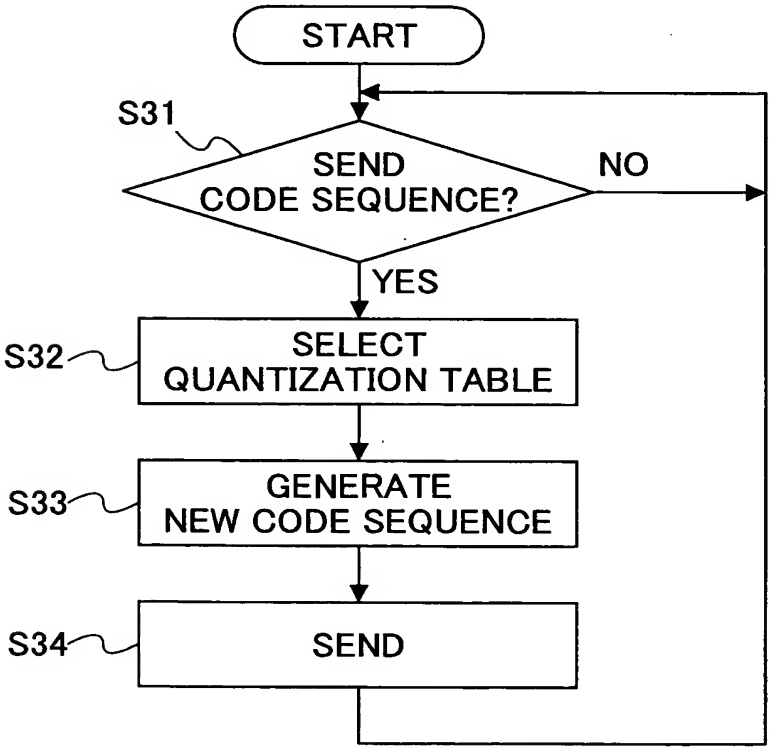

START
S21
RECEIVE CODE SEQUENCE?
NO
YES
S22
DETECT READ AMOUNT PER A UNIT TIME
S23
GENERATE DIFFERENCE AMOUNT
S24
SEND

FIG.27


START
S31
SEND CODE SEQUENCE?
NO
YES
S32
SELECT QUANTIZATION TABLE
S33
GENERATE NEW CODE SEQUENCE
S34
SEND